

Title (en)
ASSISTANCE CONTROL SYSTEM FOR VEHICLE DRIVING OPERATION

Title (de)
HILFSSTEUERUNGSSYSTEM FÜR FAHRZEUGFAHRBETRIEB

Title (fr)
SYSTÈME D'ASSISTANCE POUR UNE OPÉRATION DE CONDUITE D'UN VÉHICULE

Publication
EP 3002655 B1 20180328 (EN)

Application
EP 15186012 A 20150921

Priority
JP 2014201329 A 20140930

Abstract (en)
[origin: EP3002655A1] A guidance control system for a vehicle calculates a start point for deceleration operation of the vehicle on the basis of traveling condition information that changes as the vehicle travels and vehicle information that changes only slightly as a result of the travel of the vehicle. If the driver maintains a throttle operator at a given opening angle or more at a specific point before a point suitable to start decelerating, an actuator applies a force to the throttle operator in the direction of closing the throttle, thus notifying the driver that the vehicle is close to the point suitable to start decelerating. The system calculates a start point suitable for deceleration operation of a vehicle with high accuracy using more input values while at the same time keeping calculation cost and time to a minimum.

IPC 8 full level
G05D 1/00 (2006.01); **B60W 30/18** (2012.01); **G01S 13/88** (2006.01)

CPC (source: EP US)
B60W 30/045 (2013.01 - EP); **B60W 30/18** (2013.01 - US); **B60W 40/09** (2013.01 - EP); **B60W 50/16** (2013.01 - EP); **B62J 45/412** (2020.02 - EP US); **B62J 45/413** (2020.02 - EP US); **B62J 45/4151** (2020.02 - EP US); **B62K 11/00** (2013.01 - EP US); **B62K 23/00** (2013.01 - EP US); **G01S 13/88** (2013.01 - US); **G05D 1/0055** (2024.01 - US); **B60W 2510/0604** (2013.01 - EP); **B60W 2520/10** (2013.01 - EP); **B60W 2530/10** (2013.01 - EP); **B60W 2530/20** (2013.01 - EP); **B60W 2552/00** (2020.02 - EP); **B60W 2552/15** (2020.02 - US); **B60W 2552/30** (2020.02 - US); **B60W 2554/00** (2020.02 - EP); **B60W 2554/406** (2020.02 - US); **B60W 2554/80** (2020.02 - EP); **B60W 2554/802** (2020.02 - US); **B60W 2555/20** (2020.02 - EP); **B60W 2556/45** (2020.02 - EP); **B60W 2556/55** (2020.02 - EP)

Citation (examination)
WO 2010052236 A1 20100514 - VERHEY VAN WIJK BEHEER B V [NL], et al

Cited by
EP3703037A1; US11341783B2; US10743308B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3002655 A1 20160406; **EP 3002655 B1 20180328**; CA 2904247 A1 20160330; CA 2904247 C 20170613; ES 2666139 T3 20180503; JP 2016071687 A 20160509; JP 6396742 B2 20180926; US 2016090090 A1 20160331; US 9776636 B2 20171003

DOCDB simple family (application)
EP 15186012 A 20150921; CA 2904247 A 20150911; ES 15186012 T 20150921; JP 2014201329 A 20140930; US 201514867115 A 20150928